

The present Preliminary Amendment is submitted to correct for minor informalities in the original application and to present two additional claims for examination.

By the present Preliminary Amendment the specification is amended to correct for minor informalities. Further, proposed drawing changes are being submitted to Figures 1-6 to now clarify an additional connection to the spectrum deduction unit 7. The changes made to the specification and proposed drawings are believed to be self-evident from the original disclosure, and thus are not deemed to raise any issues of new matter.

The present Preliminary Amendment also presents new independent Claims 10 and 11 for examination. New Claims 10 and 11 are believed to be self-evident from the original disclosure, including the original claims, and thus are not deemed to raise any issues of new matter.

The present application is believed to be in condition for a full and thorough examination on the merits. An early and favorable consideration of the present application is hereby respectfully requested.

Respectfully submitted,

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IN THE SPECIFICATION

Page 15, please amend the equation at line 19 as follows:

$$L_{\alpha} = \begin{cases} \alpha_{MAX} & ;snr_{all} \geq SNR_h \\ \frac{(\alpha_{MAX} - \alpha_{MIN})snr_{all} + (SNR_h \alpha_{MIN} + SNR_l \alpha_{MAX})}{(SNR_h - SNR_l)} & ;SNR_h > snr_{all} \geq SNR_l \\ \alpha_{MIN} & ;SNR_l > snr_{all} \end{cases} \quad (5)$$

Page 16, please amend the equation at line 10 as follows:

$$L_{\beta}(dB) = \begin{cases} Pn & dPs < 0 \\ Pn - dP & [s]dPs > 0 \text{ and } Pn - dPs > 0 \\ 0 & Pn - dPs < 0 \end{cases} \quad \dots (7)$$

Page 16, paragraph at lines 11 to 20, please amend as follows:

The correction gain calculation unit 6 calculates the noise amplitude spectrum correction gain α [f] and the noise removal spectrum correction gain β [f], on the basis of the input amplitude spectrum S [f], noise amplitude spectrum N [f], noise amplitude spectrum correction gain limiting value L_{α} , and the noise removal spectrum correction gain limiting value L_{β} . Using α [f], the noise amplitude spectrum N [f] can be corrected for each

frequency component. And using the noise removal spectrum correction gain $\beta [f]$, the after-mentioned first noise removal spectrum $S_s [t]$ is corrected for each frequency component.

Page 18, paragraph at lines 2 to 9, please amend as follows:

The value of the phone reception weighting value $W_\alpha [f]$ is predetermined according to its parameter, frequency f . And the value of $W_\alpha [f]$ [increases, when] decreases as the frequency increases. As a result of this weighting, the value of $\alpha [f]$ decreases in the high frequency region. Consequently an excessive suppression in the high frequency region can be avoided so that a generation of a strange sound in the frequency region can be avoided. Fig. 11 shows a profile of the $W_\alpha [f]$.

Page 18, paragraph beginning at line 18, to page 19, line 6, please amend as follows:

According to equation (10), when the value $\text{snr}_{\text{sp}} [f]$ increases, namely when the SNR increases, the value of gain_β [decreases] increases, therefore, the noise removal spectrum correction gain $\beta [f]$ increases, correspondingly. Consequently, when a spectrum component has a large SNR, the amplitude of the noise removal spectrum, the output of the after-mentioned spectrum suppression unit 8, increases. On the other hand, when a spectrum component has a large SNR, the amplitude of the noise removal spectrum, the output of the after-mentioned spectrum suppression unit 8, increases. On the other hand, when a spectrum component has a small SNR, the amplitude of the output is small. Fig. 10 shows a profile of $\beta [f]$ with respect to the value of $\text{snr}_{\text{sp}} [f]$.

Page 20, please amend the equation at line 4 as follows:

$$S_s[f] = \begin{cases} S[f] - \alpha[f] \cdot N[f] & \text{if } S[f] - \alpha[f] \cdot N[f] \geq 0 \\ 0 & \text{or } n[f] \quad \text{else} \end{cases} \dots (11)$$

IN THE CLAIMS

Claims 10 and 11 (New).

IN THE DRAWINGS

Approval of the attached proposed drawing changes for Figures 1-6 is respectfully requested.